



PTO/SB/08B (08-03)

Substitute for form 1449B/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/507,384
			Filing Date	September 9, 2004
			First Named Inventor	Manfred Baetscher et al.
			Art Unit	Not Yet Assigned 1632
			Examiner Name	Not Yet Assigned Marcia Noble
Sheet	1	of 3	Attorney Docket Number	014210-001310US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MN	1	US-2002/0076816 A1	08-20-2002	Dai et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
MN	2	WO	96/02236	A1	07-25-1996			<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	3	BAIN, Gerard et al., "Embryonic Stem Cells Express Neuronal Properties in Vitro"; 1995, <u>Developmental Biology</u> , Vol. 169, pp. 642-657.		
MN	4	BRADLEY, Allan et al.; "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse"; 1988, <u>Current Topics in Developmental Biology</u> , Vol. 20, Chapter 25, pp. 357-371.		
MN	5	BUNTING, Kevin D.; "ABC Transporters as Phenotypic Markers and Functional Regulators of Stem Cells"; 2002, <u>Stem Cells</u> , Vol. 20, pp. 11-20.		
MN	6	CARMELIET, Peter et al.; "Role of HIF-1 α in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis"; 1998, <u>Nature</u> , Vol. 394, pp. 485-490.		
	7	CHRISTENSEN, Julie L. et al., "Flk-2 is a marker in hematopoietic stem cell differentiation: A simple method to isolate long-term stem cells"; 2004, <u>Proceedings of the National Academy of Sciences</u> , Vol. 98, No. 26, pp. 14544-14546.		
MN	8	COMERFORD, Katrina M. et al.; "Hypoxia-inducible Factor-1-dependent Regulation of the Multidrug Resistance (MDR1) Gene"; 2002, <u>Cancer Research</u> , Vol. 62, pp. 3387-3394.		
MN	9	COSSARIZZA, Andrea et al.; "A New Method for the Cytofluorimetric Analysis of Mitochondrial Membrane Potential Using the J-Aggregate Forming Lipophilic Cation 5,5',6,6'-Tetrachloro-1,1',3,3'-Tetraethylbenzimidazolcarbocyanine Iodide (JC-1)"; 1993, <u>Biochemical and Biophysical Research Communications</u> , Vol. 197, No. 1, pp. 40-45.		
MN	10	COSSARIZZA, Andrea et al.; "Functional Heterogeneity of an Isolated Mitochondrial Population Revealed by Cytofluorometric Analysis at the Single Organelle Level"; 1996, <u>Experimental Cell Research</u> , Vol. 222, pp. 84-94.		
	11	BAIN, G. et al., "Differentiation of embryonic stem cells into adipocytes in vitro"; 1997, <u>Journal of Cell Science</u> , Vol. 110, pp. 1279-1286.		
MN	12	ERNST, Matthias et al.; "Functional and biochemical association of Hck with the LIF/IL-6 receptor signal transducing subunit gp130 in embryonic stem cells"; 1994, <u>The EMBO Journal</u> , Vol. 13, No. 7, pp. 1574-1584.		
MN	13	GOODELL, Margaret A. et al.; "Isolation and Functional Properties of Murine Hematopoietic Stem Cells that are Replicating In Vivo"; 1998, <u>J. Exp. Med.</u> , Vol. 183, pp. 1797-1806.		

Examiner Signature <i>Marcia Noble</i> / Marcia Noble/	Date Considered	05/10/2006
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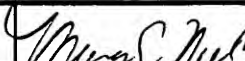
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



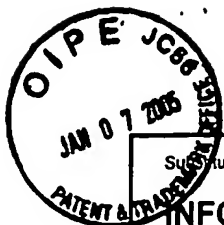
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MN	14	GOTTESMAN, Michael M. et al.; "Overview: ABC Transporters and Human Disease"; 2001, <u>Journal of Bioenergetics and Biomembranes</u> , Vol. 33, No. 6, pp. 453-458.		
MN	15	HOGAN, Brigid et al; "Manipulating the Mouse Embryo: A Laboratory Manual"; 1994, <u>Cold Spring Harbor Laboratory Press</u> , pp. 1-497.		
MN	16	LABROILLE, Gilles et al.; "Flow Cytometric Evaluation of Fas Expression in Relation to Response and Resistance to Anthracyclines in Leukemic Cells"; 2000, <u>Cytometry</u> , Vol. 39, pp. 195-202.		
MN	17	NARAZAKI, Masashi et al.; "Activation of JAK2 kinase mediated by the interleukin 6 signal transducer gp130"; 1994, <u>Proceedings of the National Academy of Sciences</u> , Vol. 91, pp. 2285-2289.		
MN	18	NICHOLS, Jennifer et al.; "Derivation of Germline Competent Embryonic Stem Cells with a Combination of Interleukin-6 and Soluble Interleukin-6 Receptor"; 1994, <u>Experimental Cell Research</u> , Vol. 215, pp. 237-239.		
	19	NICHOLS, Jennifer et al.; "Formation of Pluripotent Stem Cells in the Mammalian Embryo Depends on the POU Transcription Factor Oct4"; 1998, <u>Cell</u>, Vol. 95, pp. 379-391.		
	20	ROBERTSON, John A.; "Human embryonic stem cell research: ethical and legal issues"; 2001, <u>Nature</u>, Vol. 2, pp. 74-78.		
	21	SCHARENBERG, Christian W. et al.; "The ABCG2 transporter is an efficient Hoechst 33342 efflux pump and is preferentially expressed by immature human hematopoietic progenitors"; 2002, <u>Blood</u>, Vol. 99, No. 2, pp. 507-512.		
MN	22	SEAGROVES, Tiffany N. et al.; "Transcription Factor HIF-1 Is a Necessary Mediator of the Pasteur Effect in Mammalian Cells"; 2001, <u>Molecular and Cellular Biology</u> , Vol. 21, No. 10, pp. 3438-3444.		
MN	23	SMITH, Austin G. et al.; "Inhibition of pluripotential embryonic stem cell differentiation by purified polypeptides"; 1988, <u>Nature</u> , Vol. 336, pp. 688-690.		
	24	SMITH, Austin G.; "Embryo-Derived Stem Cells: Of Mice and Men"; 2001, <u>Annu. Rev. Cell Dev. Biol.</u>, Vol. 17, pp. 455-492.		
MN	25	THOMSON, James A. et al.; "Embryonic Stem Cell Lines Derived from Human Blastocysts"; 1998, <u>Science</u> , Vol. 282, pp. 1145-1147.		
	26	TSOI, Robert Y.L. et al.; "Plasticity, Niches, and the Use of Stem Cells"; 2000, <u>Developmental Cell</u>, Vol. 2, pp. 703-712.		
MN	27	UCHIDA, Naoyuki et al.; "Liver and marrow of adult mdr-1a/1b ^{-/-} mice show normal generation, function, and multi-tissue trafficking of primitive hematopoietic cells"; 2002, <u>Experimental Hematology</u> , Vol. 30, pp. 862-869.		
	28	WEISSMAN, Irving L. et al.; "Stem and Progenitor Cells: Origins, Phenotypes, Lineage Commitments, and Transdifferentiations"; 2001, <u>Annu. Rev. Cell Dev. Biol.</u>, Vol. 17, pp. 387-403.		
	29	WILDING, Martin et al.; "Mitochondrial aggregation patterns and activity in human oocytes and preimplantation embryos"; 2001, <u>Human Reproduction</u>, Vol. 16, No. 5, pp. 909-917.		

Examiner Signature	 Marcia Noble/	Date Considered	05/10/2006
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MN	30	WILLIAMS, R. Lindsay et al.; "Myeloid leukaemia inhibitory factor maintains the developmental potential of embryonic stem cells"; 1988, <u>Nature</u> , Vol. 336, pp. 684-687.	
MN	31	YOSHIDA, Kanji et al.; "Maintenance of the pluripotential phenotype of embryonic stem cells through direct activation of gp130 signalling pathways"; 1994, <u>Mechanisms of Development</u> , Vol. 45, pp. 163-171.	
	32	ZHOU, Sheng et al.; "The ABC transporter Bcrp1/ABCG2 is expressed in a wide variety of stem cells and is a molecular determinant of the side-population phenotype"; 2001, <u>Nature Medicine</u>, Vol. 7, No. 6, pp. 1022-1024.	
MN	33	ZHOU, Sheng et al.; "Bcrp1 gene expression is required for normal numbers of side population stem cells in mice, and confers relative protection to mitoxantrone in hematopoietic cells <i>in vivo</i> "; 2002, <u>Proceedings of the National Academy of Sciences</u> Vol. 99, No. 19, pp. 12339-12334.	

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